

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Previously Presented) A secondary air supply apparatus for an internal combustion engine provided with plural cylinders, which supplies secondary air to a portion upstream of an exhaust gas control device, the apparatus comprising:
 - an air pump which supplies air under pressure;
 - a first air passage through which the air delivered under pressure from the air pump flows;
 - a first opening/closing valve which opens/closes the first air passage;
 - a second air passage one end of which is connected to the first air passage at a portion downstream of the first opening/closing valve, and the other end of which is connected to an exhaust passage leading to a predetermined cylinder among the plural cylinders;
 - a second opening/closing valve which opens/closes the second air passage;
 - a third air passage one end of which is connected to the first air passage at a portion downstream of the first opening/closing valve, and the other end of which is connected to an exhaust passage leading to a cylinder different from the predetermined cylinder to which the exhaust passage connected to the second air passage leads;
 - a third opening/closing valve which opens/closes the third air passage;
 - a pressure detector that performs detection of a pressure in the first air passage, the pressure detector being provided between the air pump and the first opening/closing valve; and
 - a failure determining device that determines whether failure has occurred in the secondary air supply apparatus based on a result of the detection that is performed by the pressure detector while the first opening/closing valve is controlled so as to be opened, the second opening/closing valve and the third opening/closing valve are controlled so as to be closed, and the air pump is controlled so as to be stopped.
2. (Previously Presented) The secondary air supply apparatus according to claim 1, wherein

the failure determining device determines whether failure has occurred in the secondary air supply apparatus when an amount of air introduced into the internal combustion engine is larger than a predetermined amount.

3. (Previously Presented) The secondary air supply apparatus according to claim 1, wherein the failure determining device determines that failure has occurred in the secondary air supply apparatus when a change in the pressure is detected by the pressure detector.

4. (Previously Presented) The secondary air supply apparatus according to claim 1, wherein the failure determining device determines whether failure has occurred in at least one of the second opening/closing valve and the third opening/closing valve.

5. (Currently Amended) A secondary air supply apparatus for an internal combustion engine installed in a vehicle, which supplies secondary air to a portion upstream of an exhaust gas control device, the apparatus comprising:

a pressure detector that performs detection of a pressure of secondary air delivered under pressure from an air pump to a passage connecting to an exhaust gas passage;

an information obtaining device that obtains information relating to noise heard by an occupant of the vehicle;

a pump operating device that operates the air pump when a magnitude of the noise is larger than a predetermined value; and

a failure determining device that determines whether failure has occurred in the secondary air supply apparatus based on a result of the detection that is performed by the pressure detector while the air pump is controlled so as to be operated,

wherein the internal combustion engine is provided with plural cylinders,

wherein the secondary air supply apparatus includes i) a first air passage through which the air delivered under pressure from the air pump flows, ii) a first opening/closing valve which opens/closes the first air passage, iii) a second air passage which is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a predetermined cylinder among the plural cylinders, iv) a second

opening/closing valve which opens/closes the second air passage, v) a third air passage which is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a cylinder different from the predetermined cylinder to which the exhaust passage connected to the second air passage leads, and vi) a third opening/closing valve which opens/closes the third air passage; and

the failure determining device determines whether failure has occurred in the secondary air supply apparatus based on a result of the detection that is performed by the pressure detector while the first opening/closing valve, the second opening/closing valve, and the third opening/closing valve are controlled so as to be closed.

6. (Previously Presented) The secondary air supply apparatus according to claim 5, wherein the information relating to the noise includes at least one of a vehicle speed, a rotational speed of the internal combustion engine, and an opening amount of a throttle valve provided in the internal combustion engine.

7. (Canceled).

8. (Currently Amended) The secondary air supply apparatus according to claim [[7]]5, wherein the failure determining device determines that failure has occurred in the secondary air supply apparatus when an increase in the pressure is not detected by the pressure detector.

9. (Previously Presented) The secondary air supply apparatus according to claim 5, wherein the failure determining device determines whether failure has occurred in at least one of the pressure detector and the air pump.

10. (Previously Presented) A secondary air supply method for controlling secondary air supplied to a portion upstream of an exhaust gas control device, the method comprising:
providing an air pump which supplies air under pressure; a first opening/closing valve which opens/closes the first air passage through which the air delivered under pressure from the air pump flows; a second opening/closing valve which opens/closes the second air passage which

is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a predetermined cylinder among the plural cylinders; and a third opening/closing valve which opens/closes the third air passage which is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a cylinder different from the predetermined cylinder to which the exhaust passage connected to the second air passage leads;

detecting a pressure in the first air passage between the air pump and the first opening/closing valve; and

determining whether failure has occurred in the secondary air supply apparatus based on a result of the detection that is performed by the pressure detector while the first opening/closing valve is controlled so as to be opened, the second opening/closing valve and the third opening/closing valve are controlled so as to be closed, and the air pump is controlled so as to be stopped.

11. (Currently Amended) A secondary air supply method for an internal combustion engine which controls ~~controlling~~ secondary air supplied to a portion upstream of an exhaust gas control device, comprising:

providing an internal combustion engine with plural cylinders;

delivering air under pressure from an air pump;

providing a secondary air supply apparatus including i) a first air passage through which the air delivered under pressure from the air pump flows, ii) a first opening/closing valve which opens/closes the first air passage, iii) a second air passage which is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a predetermined cylinder among the plural cylinders, iv) a second opening/closing valve which opens/closes the second air passage, v) a third air passage which is connected to the first air passage at a portion downstream of the first opening/closing valve, and which is connected to an exhaust passage leading to a cylinder different from the predetermined cylinder to which the exhaust passage connected to the second air passage leads, and vi) a third opening/closing valve which opens/closes the third air passage;

detecting a pressure of air delivered under pressure from ~~[[an]]~~the air pump;

obtaining information relating to noise heard by an occupant of the vehicle;

operating the air pump when a magnitude of the noise is larger than a predetermined value; and

determining whether failure has occurred in the secondary air supply apparatus based on the detected pressure while the air pump is controlled so as to be operated, and

wherein the failure determining device determines whether failure has occurred in the secondary air supply apparatus based on a result of the detection that is performed by the pressure detector while the first opening/closing valve, the second opening/closing valve, and the third opening/closing valve are controlled so as to be closed.